

REPORT TO THE TWENTY-THIRD LEGISLATURE  
STATE OF HAWAII  
2005

PURSUANT TO ACT 158, S.B. NO. 2690, S.D. 2, H.D. 2, C.D. 1, REQUESTING THE  
DEPARTMENT OF HEALTH TO SUBMIT AN ANNUAL REPORT THAT  
OUTLINES THE RECEIPT OF, AND EXPENDITURES FROM, THE SPECIAL  
FUND FOR ADDITIONAL EMERGENCY AMBULANCE SERVICES AND  
TRAINING OF EMERGENCY MEDICAL PERSONNEL

PREPARED BY:  
STATE OF HAWAII  
DEPARTMENT OF HEALTH  
DECEMBER 2004

## EXECUTIVE SUMMARY

In accordance with Act 158, S.B. 2690, S.D. 2, H.D. 2, C.D. 1 of the 2004 Legislative Session, the Department of Health is submitting a report to the 2005 Legislature that outlines the receipt and expenditures from the \$2,205,000 emergency medical services special fund appropriation for additional emergency ambulance services and training of emergency medical personnel on the islands of Kauai and Maui.

The purpose of this Act is to establish an emergency medical services special fund through an additional \$5 state motor vehicle registration fee for the Department of Health to use in operating the State's comprehensive emergency medical services system. The Act provides funds for additional ambulance services for parts of Oahu, Maui, and Hawaii. The Act further provides for development and training for paramedics to address the recruitment and retention of personnel that would impede the emergency medical services system.

**REPORT TO THE LEGISLATURE  
IN COMPLIANCE WITH ACT 159, S.B. 2690, S.D. 2, H.D. 2, C.C.1**

Act 158 requests the Department of Health to submit an annual report to the Legislature that outlines the receipt of the appropriated \$2,205,000 and the fund forecast of the \$5 vehicle registration fee in a special fund for additional emergency ambulance services on the islands of Oahu, Maui, and Hawaii and for training of emergency medical personnel.

**Introduction**

The Department of Health recognizes the need for additional emergency ambulance services in those communities that do not meet response time guidelines for time sensitive medical conditions. A study was conducted in 2001 that prioritized the areas that additional ambulance services were needed through-out Hawaii. The priorities were Metropolitan Honolulu, Waianae/Nanakuli, Kaaawa/Kahaluu on the island of Oahu, Wailea on the island of Maui, and Ocean View Estates on the island of Hawaii.

The ambulance study used two (2) methodology criteria that included a response time and the number of high-risk trauma and cardiac conditions that require a timely response by medical personnel with the knowledge and skills to provide immediate treatment and transport to an appropriate medical facility.

The \$5 vehicle registration fee is based upon 1,013,594 vehicles registered in 2002 (data was obtained from County Transportation Departments). The allocation of ambulance unit cost were based upon funding available. The time period that ambulance providers felt they would have resources available to include personnel, ambulance vehicles, equipment, supplies, and facilities to house the additional ambulance units are reflected in these projections.

**Conclusion**

The attached report shows the revenue generated and the specific cost allocation through FY 2007.

DEPARTMENT OF HEALTH

EMS PROJECTED EXPENDITURE BY ISLAND  
(ACT 158, SLH 2004)

	Projected FY 05					Projected FY 06					Projected FY 07					Projected FY 08				
	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL
Additional Ambulance Services for the Leeward Coast, including Makakilo (Section 6 of Act 158 \$1,500,000)	371,781	0	0	0	371,781	1,071,282	0	0	0	1,071,282	654,711	0	0	0	654,711	982,067	0	0	0	982,067
Upgrade the rapid response unit in urban Honolulu to a 24/7 advance life support unit (Section 7 of Act 158 - \$430,000)	430,000	0	0	0	430,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Establish a 16-hour, 7-day rapid response unit in the Kahuluu-Kaaawa area (Section 8 of Act 158 - \$351,622)	0	0	0	0	0	351,622	0	0	0	351,622	351,622	0	0	0	351,622	527,433	0	0	0	527,433
Provide sufficient twenty-four hour advanced life support ambulance services for the Kihei/Wailea region of Maui (Section 10 of Act 158 - \$850,000)	0	0	550,000	0	550,000	0	0	880,584	0	880,584	0	0	880,584	0	880,584	0	0	880,584	0	880,584
Staff the ambulance at Hawaiian Ocean View Estates, including operating expenses for supplies, equipment, and vehicle maintenance (Section 12 of Act 158 - \$750,680)	0	330,900	0	0	330,900	0	496,350	0	0	496,350	0	496,350	0	0	496,350	0	496,350	0	0	496,350
Professional development and training for paramedics: (1) Development and training instructor for Kauai (Section 14 of Act 158 - \$75,000)	0	0	0	75,000	75,000	0	0	0	75,000	75,000	0	0	0	75,000	75,000	0	0	0	75,000	75,000
Professional development and training for paramedics: (2) Video conference system to connect Kauai, Maui, and Hawaii with EMS instruction on Oahu (Section 14 of Act 158 - \$75,000)	0	25,000	25,000	25,000	75,000	5,000	5,000	5,000	5,000	20,000	5,000	5,000	5,000	5,000	20,000	5,000	5,000	5,000	5,000	20,000
Professional development and training for paramedics: (3) Paramedic training equipment for Kauai, Maui, and Hawaii (Section 14 of Act 158 - \$200,000)	0	43,587	84,897	71,649	200,133	0	24,060	52,005	2,432	78,497	0	27,303	53,644	33,871	114,818	0	93,150	25,875	4,140	123,165
Total by County	801,781	399,487	659,897	171,649		1,427,904	525,410	937,589	82,432		1,011,333	528,653	939,228	113,871		1,514,500	594,500	911,459	84,140	
Total All Countys					\$2,032,814										\$2,593,085					\$3,104,599

Start-up Funds					2,205,000															
Revenue Funds (projected)	2,314,150	582,095	488,765	251,055	3,636,065	3,060,090	761,585	646,355	331,785	4,799,815	3,060,090	761,585	646,355	331,785	4,799,815	3,060,090	761,585	646,355	331,785	4,799,815
Carryover Funds (projected/actual)										<b>3,808,251</b>					<b>3,429,731</b>					<b>5,636,461</b>
Repay Start-up Funds										(2,205,000)										
Total Funds Available					5,841,065					6,403,066					8,229,546					10,436,276
Projected Expenditures					(2,032,814)					(2,973,335)					(2,593,085)					(3,104,599)
Remaining Funds (Funds Available minus Expenditures)					\$3,808,251					\$3,429,731					\$5,636,461					\$7,331,677

DEPARTMENT OF HEALTH

EMS PROJECTED REVENUES  
BY ISLAND (ACT 158, SLH  
2004)

	Projected FY 05					Projected FY 06					Projected FY 07					Projected FY 08				
	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL	Honolulu	Hawaii	Maui	Kauai	TOTAL
July	0	0	0	0	0	254,800	59,445	58,680	30,665	403,590	254,800	59,445	58,680	30,665	403,590	254,800	59,445	58,680	30,665	403,590
August	0	0	0	0	0	232,320	62,325	47,795	26,325	368,765	232,320	62,325	47,795	26,325	368,765	232,320	62,325	47,795	26,325	368,765
September	0	0	0	0	0	258,820	57,720	51,115	23,740	391,395	258,820	57,720	51,115	23,740	391,395	258,820	57,720	51,115	23,740	391,395
October	260,645	64,435	56,720	25,170	406,970	260,645	64,435	56,720	25,170	406,970	260,645	64,435	56,720	25,170	406,970	260,645	64,435	56,720	25,170	406,970
November	232,635	57,765	54,720	25,325	370,445	232,635	57,765	54,720	25,325	370,445	232,635	57,765	54,720	25,325	370,445	232,635	57,765	54,720	25,325	370,445
December	269,000	66,045	61,820	28,130	424,995	269,000	66,045	61,820	28,130	424,995	269,000	66,045	61,820	28,130	424,995	269,000	66,045	61,820	28,130	424,995
January	271,065	57,375	53,365	32,765	414,570	271,065	57,375	53,365	32,765	414,570	271,065	57,375	53,365	32,765	414,570	271,065	57,375	53,365	32,765	414,570
February	240,895	64,925	52,670	25,675	384,165	240,895	64,925	52,670	25,675	384,165	240,895	64,925	52,670	25,675	384,165	240,895	64,925	52,670	25,675	384,165
March	261,055	69,775	57,075	29,770	417,675	261,055	69,775	57,075	29,770	417,675	261,055	69,775	57,075	29,770	417,675	261,055	69,775	57,075	29,770	417,675
April	264,195	62,485	50,505	25,415	402,600	264,195	62,485	50,505	25,415	402,600	264,195	62,485	50,505	25,415	402,600	264,195	62,485	50,505	25,415	402,600
May	236,665	60,655	47,885	29,005	374,210	236,665	60,655	47,885	29,005	374,210	236,665	60,655	47,885	29,005	374,210	236,665	60,655	47,885	29,005	374,210
June	277,995	78,635	54,005	29,800	440,435	277,995	78,635	54,005	29,800	440,435	277,995	78,635	54,005	29,800	440,435	277,995	78,635	54,005	29,800	440,435
Total by County	2,314,150	582,095	488,765	251,055		3,060,090	761,585	646,355	331,785		3,060,090	761,585	646,355	331,785		3,060,090	761,585	646,355	331,785	
Total All Counties					\$3,636,065					\$4,799,815					\$4,799,815					\$4,799,815